Focus Activity

x 3 feet

|  |  |
| --- | --- |
| ROSES  4 feet | IRISES |

1. Write an algebraic expression to represent the areas of the following:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Length | Width | Area |
| Rose Garden |  |  |  |
| Iris Garden |  |  |  |
| Entire Garden |  |  |  |

1. What could you do with the area of the rose garden and area of the Iris garden to find the area of the whole garden? Write it as an algebraic expression.
2. Look at your chart. Are there two ways to find the total area?

1. Prove it! Make x=4 feet and see if your prediction is true.

Follow-up:

1. Look below…

4 (x + 3)

How did I get from step 1 to step 2?

4x +13.5

1. Does anyone know what property this is illustrating?